1876

Mmy

2 of 1876

~~Sl. 1 — 12~~

Sl 1 — 18

DEC 1876

Allotment of funds for the construction of a new road to the N. W of the elsoor tank

Indexed

Vs

Memo:

Letter No. 634 dated 27th February 1877 from the Actg Quarter Master General Mysore Division.

At a meeting held in the Government House on the 21st November 1876, relative to the excavations proposed to be made in the bed of the Ulsoor tank, the Chief Commissioner directed that a sum of Rs. 5,000/- should be placed at the disposal of the Major General Commanding the Mysore Division as an advance for the purpose subject to adjustment hereafter, as proposed between the Madras and Mysore Governments, and the same was communicated to the Actg Quarter Master General, in the Secretary's letter dated 21st November 1876, No. 8541/1388.

It was further observed that the allotment should be utilized in the formation

of the bank and roadway along the western border of the Ulsur tank, where no road then existed, and a copy of the estimate was also called for.

2. With his letter noted in the margin, the Assistant Quarter Master General submitted a letter from the District Engineer Bangalore together with an estimate for the work amounting to Rs 11,470 as particularized in the margin, and stated that an application would be made to the Madras Govt. for a grant-in-aid for the work.

No 3185 of 20th December 76.

Earth work —	Rs 5,070 —
Metalling —	Rs 2,543 —
Masonry work —	" 3,440 —
Sundries and Superintendence —	417 —
	11,470

3. In the Chief Commissioner's Proceedings No 82 dated 28th December 76, the amount of the Estimate prepared by the District Engineer was reduced and sanctioned for Rs 8927, deferring the metalling portion of the work in question - As, out of this sum, Rs 5,000 have been advanced, the Dy Accountant General was instructed to remit the balance viz: Rs 3,927/-

Earth work —	Rs 5,070 -
Masonry work —	" 3,440 -
Contingencies —	" 417 -
	8,927.

to the District Engineer

No. 34 dated 5th January/77.

4. In the meantime, the Actg. Quarter Master General brought* to the notice of the Chief Commr. that on the representation of the Major General Commanding the Mysore Division, to the Commander-in-Chief to recommend to the Madras Government to grant the additional sum required to complete the road round the N.W. side of the Ulsoor tank, His Excellency regretted that under the then existing deficiency of funds for the Military works generally, he could not recommend the expenditure of the sum named for this work.

5. This letter was ordered by Mr. Gordon, to be filed, with the remark that "this was to be expected".

*In his letter to the address of the Quarter Master General No. 467 dated 21st February/77.

6. The District Engineer Bangalore now solicits a grant of Rs. 3710 for completing the work, and states that the original estimate was framed on the supposition that the work could be carried

carried out at the rate of one Rupee for 16 cubic yards of earth, excavated, carried and deposited, but this rate however, proved insufficient when the earth had to be carried far and raised high and had consequently to be raised

In the Tarnamboly Tank bed. Earth was moved & deposited at a cost of Rs. 9 each for 1 Rd.

7. The District Engineer further states that the amount of earth work actually carried out is also in excess of that originally estimated and that the original estimate had been hastily prepared, in order to provide work for the famine stricken people, who, at that time, flocked to it for employment. He also states that this work has, upto the 15th of February given

26,911 days employment for men –
25,456 —— do —— for women –
863 —— do —— for children –
& 905 —— do —— Skilled workmen

8. In submitting copy of the foregoing letter from the District Engineer Bangalore together with a revised estimate for Rs 15,180 –, the Acting Quarter Master General now

⊗ According to the Estimate formerly prepared by the District Engineer } Rs 11,470
Add the amount of Estimate as now revised for Rs 15,180 } 3710

5

now solicits sanction to the additional sum of Rs. 3,710 required for completing the work in question.

Dr Fitzm note

9. From the comparative statement now submitted by the District Engineer, it will be observed that the metalling portion of the Estimate amounting to Rs 2,548 has been carried out, while no sanction was given for the same.

10. Under the item Earth work for the new road, the original quantity was 70,584 cubic yards at the rate of 16 Cyds per rupee. But under the head "actually executed" the District Engineer has entered 92,660 cubic yards at rates varying from 16 to 12 cubic yards the rupee. The increase under this item amounts to Rs. 1,676. This may be allowed, I think.

If the earth is moved & deposited to the extent here mentd., at an av: of say 12 cyds pr the Rupee it is a moderate outlay & may be sanctioned.

11. Under "Earth work" for the Branch Road from new road to Saint John's road, the original quantity was 6,538 cubic yards at

16 yards the rupee, while the figures entered by the District Engineer as actually executed, amount to 10,436 cubic yards at rates varying from 16 to 4 cubic yards per rupee. The increase under this head is put down at Rs. 1,052. The rates seem to be very high.

12. Under "Earth work" for raising Tank lane road, the original quantity was 4,000 cyds at the rate of 6 cyds the rupee, whereas the quantity entered under the head "actually executed" is 6,641 cyds, of which 5,641 cyds are put down as executed at the rate of 16 cyds the rupee and 1,000 cyds at 12 cyds per rupee, thus giving an increase of Rs. 186 in excess of the original sanctioned Estimate. This increase may be allowed.

13. Under the head "Sundries" for several items the figures in the original sanctioned Estimate amounted in all to Rs. 417. The amount now put down in the Statement

What is the average rate of earth moved & deposited per cyd. Some may be exceptionally hard. The figures are

a 6396 at 11½ cyds per Re.
b 4040 at 5 cyds "
10436 at 8¼ " "

It is presumed that the reasons for the higher rate of the latter item (b) are based on actual measurements of distance hauled & the explanation may be audited. The final return of work is 8¼ yds per rupee which under the circ. be admissible.

Appears high - Supln may be asked for -

is Rs 993, thus showing an excess of Rs 576. The Sundries throughout ~~in the estimate~~ have been calculated and put down at 10 per cent, whereas in the Mysore P.W.D. 5 per cent only is generally allowed.

14. Under items "Constructing a tunnel of 5 vents for Feeder" the amount included in the original estimate was Rs 2,380, whereas the District Engineer has now put down Rs 2,600, the increase being Rs 220 for which no detailed estimate has been furnished.

15. Before passing final orders, I beg to suggest that the Chief Engineer be requested to favor his opinion on the increased rates.

C.P. Thimmboo
No 22 2/3/77

In original

To the Chief Engineer with a request that he will do me the favor to report hereon as to the increased rates &c

2/3/77 J. Kuttle
a/Sp'dent

Vide his Docket No. 708 dated the 9 March/77.

16. The Chief Engineer who was requested to give his opinion on the subject, submits a memorandum, in which, he states that before the sanctioned amount was exceeded, the District Engineer should have applied for additional funds. In the comparative statement now submitted by the Dt. Engineer the cost of the work executed is put down at Rs. 15,180 or Rs. 6,253 in excess of sanction, this, the Chief Engineer believes a mis-statement, as the whole of this work has not been executed, & in his opinion, the statement should have separated that actually executed from that still remaining to be done.

This may be asked for. —

17 Colonel Johnson, states that he has no check on the quantities actually carried out, but ~~as~~ is of opinion that more work has been done than necessary: the curved approach from Compensation Road has been carried further into the tank than was necessary, thereby not only

considerably increasing the earth work required, but actually reducing the capacity of the tank in order to get a better line for the bund; & that elsewhere also more work was done than was necessary.

If work is actually carried out we must accept it.

18. As regards the rates, the Chief Engineer believes that the bulk of the work has been done most economically, & there is no doubt that higher rates are necessary for the portion that still remains to be done; and that he has no plans or information given from which the necessity of the present demand can be checked.

This corroborates the opinion on page

19 Colonel Johnson further states that the metalling portion which was struck out of the previous estimate should not have been put in hand, and probably has not. He therefore recommends that the metalling should not be put on until the bank has had time to consolidate; & that this may again be struck out, which will reduce the excess to Rs 3,710

This seems worth pondering and a reply to this effect may be sent.

Mr

The Chief Engineer does not suppose that the Military authorities will maintain this road after it is made & the money not coming out of their coffers, they have no motive in being economical in carrying it out, altho' there is nothing to complain of the rates.

Then point the attention of

Draw up rough draft embodying the notes – for submit to C.E. this day

9/3/77

?

1876

O 627
38

From The ~~District Engineer~~ Superintending Engineer

To Offr. L. W. General Engineer Dr. Bangalore

Army
No. of 1876

Dated 20th December

Despatched

Received 21st

ENCLOSURES NO.

General No. 3185
No.

Submits detailed plans & estimates, for certain improvements to the Ulsoor Tank, & requests that funds may be placed at his disposal, to carry out the work

Not letter & note
Letter to W. Dept

2

"Draft" Dr. M. Genl's Office No.
Bangalore 20th December 1876
No. 3185

From
The Acting Quarter Master General
Imperial Division

To
The Secretary
to the Chief Commissioner of Mysore
Bangalore

Sir,

As requested in your letter No. 8541/1388 of 21st ultimo, I have the honor by order of the Major General Commanding the Division to forward to you the original Plans and Estimate of the proposed new road connecting compensation Road with Lank Lane at the north of the Ulsoor Lake to be carried out as a famine relief work.

Through press of work, the District Engineer has been unable to prepare and forward them sooner.

I also enclose copy of a letter from the District Engineer forwarding them, and also the Memorandum and rough estimate for improving the Ulsoor Lake mentioned by him in the first Para of that letter as having been submitted by him to the Meeting which took place at Government House on the 21st December, and upon which

the water scheme costing rupees 11470, was based.

I have to beg that the plans and estimates may be returned at your earliest convenience, as they will have to be forwarded to Madras.

I am further desired by the Major General Commanding to bring to the recollection of the Chief Commissioner with reference to your above quoted letter No. 8541/G. 1388 under reply that General Elmhirst did not engage to ask the Government of Madras to repay the sum of rupees 5000 kindly placed at his disposal by Mr. Saunders to be expended, as he understood, on the excavation of the Ulsoor Lake, as a famine relief work.

He engaged at the meeting to ask the Madras Government to supplement Mr. Saunders grant of rupees 5000 by any further sum they might deem fit, as the capacity of the Lake which at present supplies a portion of both the Civil and Military population of Bangalore with water, would be increased by these excavations.

On the Major General hearing

from you that his understanding of what took place at the meeting is correct, he will immediately apply to the Madras Government for a grant in aid of the work.

He has in the meanwhile desired the District Engineer to suspend all works, so soon as the first Rupees 5000 is expended, but trusts, as this will throw many people out of employment, that the Chief Commissioner will see his way to ordering a further sum to be placed at his disposal, to enable him to carry on the work and would further beg that the original Rupees 5000 be made over to the District Engineer, to enable him to replace the amount which he has temporarily transferred from other works.

I have the honour to be

Sir,

Your Most Obedient Servant

John Lang

Major

Asst. to the General Reserve

No. 342. (5)

District Engineers Office
Bangalore 14th December 1876
Despd 15th do

From

The District Engineer
Bangalore

To

The Assistant Dr. Mr. General
Mysore Division
Bangalore

Encls. 9.

Memorandum on Improvements of Ulsoor Tank

Statements showing the probable Cost of raising road around the Ulsoor Tank & of reclaiming a portion of Ulsoor Tank

Estimates with 1 Specification & Plans.

Sir,

At the request of the Major General Commanding the Mysore Division, I drew up and submitted for his consideration, the Memorandum and rough estimate amounting to Rs 26,700, (dated 20th November 1876) herewith enclosed, for improving the Ulsoor Tank.

2 These papers were subsequently submitted by the General to the Chief Commissioner of Mysore who, approved generally of the suggestions contained in them, and placed a sum of Rupees 5000 at the disposal of the General, as a first instalment of a contribution by the Mysore Government towards the work, on the understanding that the sum so advanced should be devoted towards the construction of a new road to connect Compensation Road with Tank Lane, at the North end of the Tank, with St. John's Road by a short branch on the West of the Tank — and towards raising the level of Tank Lane.—

3 With the sanction of the Chief Commissioner and the Major General Commanding, the work has since been commenced under my direction, as a Famine Relief

work and has given employment to, from 1000 to 1200 persons daily. —

4 I have now the honor to submit detailed plans and estimates for the works in question and to request that I may be furnished with funds to enable me to push them on to completion. I have also to request that the General will be so good as to arrange for the Rs 5000 advanced by the Chief Commissioner being placed to my Credit as District Engineer Bangalore, to enable me to adjust my accounts. All payments which I have hitherto made on this work have been from funds placed at my disposal by the Madras Government for other specific purposes

5 The amount of the estimate now submitted is Rupees 11,470.

Viz: Earthwork	Rupees	5070.0.
Metalling		2543...
Masonry Work		3440....
Sundries & Supervisna...		417.....
	Rupees	11,470....

6 If there is any difficulty regarding the provision of funds for the completion of the work, I would recommend that no metalling should be undertaken at present. but if possible the masonry works should be commenced and completed during this dry season, as the earthwork cannot otherwise be fully completed. Moreover the ground being now so dry, the foundations of all the masonry works can be put in without any baling out being necessary. —

7 As the number of persons seeking relief and employed on the work, may be expected to increase

Rs 5000 to be received
Total Est. 11470
Deduct Metalling 2543
Masonry 8927
Advance 500
Balance 3.
which may be sanctioned & the work go on.
Cov. Eng.

daily, the earthwork will shortly be completed, and the Rupees 5000 advanced by the Chief Commissioner exhausted

8 I have therefore to request that I may be instructed, whether I am to proceed with the work in Anticipation of funds being provided, or suspend operations as soon as the Rupees 5000 in question have been expended

I have the honor to be
Sir
Your most obedient Servant
sd/ Ross Thompson
Major R. E.
Offg District Engr Bangalore

True Copy
John Lang
Major
Asst Dr Mr Genl
M Dn

(I dont know what Mr Saunders understood the Govt. to engage to do.) But we must give more money. The Metalling may properly be deferred; the balance 3927 may be sanctioned. Say that the whole sum/previous advance 5000/ & present addition 3927/ of 8927 is available to the District Engineer Bangalore & orders have issued for the payment of it to him on his application - needful to D. a - General

Here then is a work, and the work becomes a valuable work by relief work by

1876.

From

To The Actg. Sy. Mr. G.C.
Mysore Division.
The Sy. Actg. G.
The Chief Engr. P.W.D.

Mins
2 26.12.76

Dated 28th Decr/76.

Despatched

Received

ENCLOSURES NO.

General No. 8
No.

Authorised the estimate connected to No. 8927 for forming the new road on the west of the Ulsoor Tank.

From Secy. to Govt. No. 3144 dt 12th Nov. 1876 to the Secy. to Govt. No. 1436 dt 5th Feby. 1877

Forwd. Secy. to Govt. No. 6344 dt 27 do

Read

Letter No. 3185 D/20th Dec 1876 from the Asstt. Qr. Mr. Genl. Mysore Dn., forwarding ~~papers~~, plans and estimate amounting to Rs 17,470/-, of the proposed new road connecting compensation road with Tank fane at the North of the Ulsoor Tank to be carried out as a Relief Work.

No. 82 D/28th Dec/76.

Order thereon

~~Govern~~ The Hon'ble ~~observes~~ observes that the metalling ~~portion of the work~~ may ~~properly~~ suitably be deferred, and sanctions the Estimate for Rs 8,927/-, excluding the charge for metalling.

2. The Dy Asstt. Genl is requested to place at the disposal of the Dist Engr., Bangalore, from the 1 lac. grant of 20th October/76 Rs 8,927/-, which

The Hon'ble Mr Chapman sanctions the following items in the Estimate prepared by the Bangalore District Engr for forming the new road on the West of the Ulsoor Tank:

Earth work	Rs 5070
Masonry	" 3440
~~Contingencies~~ Contingencies	417
Total	Rs 8927

Out of the sum of Rs 8927 ~~sanctioned~~ ~~in this order~~ ~~the item is~~, Rs 5000

which includes Rs. 5000/- (?) previously advanced.

H. Lacy.

To The Asstt. Qr Master General Mysore & Q.
reference plans & Estimates

" " Dy Acctt General

" " Chief Engr P.W.D.

has already been
Chairman
Committee
Bangalore, and his
DA, which matter the
Committee has taken
Rs 3927 of the Basis
Detailed Estimate

(11)

187 7.

O. 64 19c
39

From The Asstt. Dr. Mr. General, Mysore Division.

To

Dated 5th January 1877.

Despatched

Received 5th

Reg. 6th

ENCLOSURES NO.

General No. 34
No.

Intimates that H. E. the Commander-in-Chief is unable to recommend the expenditure of the additional sum required for the completion of the road round the N. W. side of the Ulsoor Tank.

To be filed
8/1

To Statistician for information
9-1-77
11-1-77

Recd
2nd 6th 76
3

29/1/77

12

Asst Qrs Mr Genl's Office
in Mysore
Bangalore 5th January 18
No. 34

From
The Asst Quarter Master Genl
Mysore Division

To
The Secretary
to the Chief Commissioner
of Mysore
Bangalore

Sir,

In reply to your No. 82 of 28 December 1876 I have the honor by desire of the Major General commanding the Division to inform you that on the 30th of the same month he wrote to Head Quarters begging that the Commander in Chief would recommend the Madras Government to grant the additional sum required to complete the road round the N.W. side of the Ulsoor Tank, but he regrets to say that he has now received a reply from the Quarter Master General stating that, under the present deficiency of funds for Military works generally, His Excellency is unable to recommend the expenditure of the sum named for this

I have the honour to be
Sir
your most Obedient Servant
John Minz
Major
Acting Div. Quar. General Ward

No 579/1877. C. 6892

242

From The Asst. Dr. Master General Mysore Dn

To The Secretary to the Chf. Commissioner

Dated Bangalore 1st February 77

Despatched

Received

ENCLOSURES NO. —

General No.

No. 344

Chief Office No. — dt. 28 Dec 77.

Requesting that Rs. 3927 on account of the new road at north West end of Ulsoor Tank, may be directed to be remitted to the Distt. Engineer.

D. S. Sim

2-2-77

2-2-77. No 3884.

The Dy Commrs Fund has already been instructed in this Offr No 82 of 28th Dec last to remit Rs 3927 to the Distt Engr. The road Dm Fund might be asked to instruct the Distt Engr to apply for the amount.

[illegible]

6/2/77

15

Dr Mr Genl Office M
Bangalore 1st February 1897
No. 344

From The Offg. Asst. Dr Mr General
Mysore Division

To The Secretary
to the Chief Commissioner of Mysore
Bangalore

Sir,

With reference to Proceedings of the Chief Commissioner of Mysore No 82 dated 28th December 1896, I have the honor to request you will be good enough to direct the balance of Rupees 3927, alluded to in para 2 of the above Order, on account of the New Road at North West end of Ulsoor Tank, to be remitted to the District Engineer Bangalore, he having applied for the same to adjust his accounts

I have the honor to be
Sir,
Your Most obedient Servant

[signature]
Lt-Colonel
Offg A. D. Mr General
M Div

16

1877.

From

To The Asstt Qr Master Genl Mysore Dn.

Dated 7th February 1877.

Despatched

Received

ENCLOSURES NO.

General No. 263

No.

D

His letter No. 344 dy 1st Feby 1877 requesting that the balance of the 3927 l. sanctioned for constructing the New Road at North West End of Ulsoor Tank, may be directed to be remitted to the Dist Engr, Bangalore.

States in reply that the District Engr Bidie may be instructed to apply to the Deputy Accntt Genl for the amount.

TB. 7

No. 264 Memo

Copy to Dodgson for information.

[illegible]

19

No. 648 1877. O. 7028 43

From The Asstt. to Master General Mysore Division

To The Secretary to the Ch. Commissioner

Dated Bangalore 8th February 1877

Received 12 Feby.

ENCLOSURES NO. one

General No. No. 436

Ref. No. 344 of 1st Instant.

Requesting that the whole grant of Rs. 8927 for the new road at the North W. end of the Ulsoor Tank may be placed to the credit of the Distt. Engineer.

The Distt. Engineer might be informed that the whole amount of Rs. 8927 has been placed at his disposal on the 10th Inst.

9-2-77

Asst. Dr. Mr. Generals Office M D
Bangalore 8th February 1897
No 436

From The Actg Asst Dr. Mr. General
Mysore Division

To The Secretary
to the Chief Commissioner
of Mysore & Coorg

Sir,

With reference to my letter No 344 of 1st Instant I have the honor to forward copy of docket from the District Engineer Bangalore from which it will be seen that Rupees 5000 though stated in para 2 of proceedings of the Chief Commissioner of Mysore No 82 of 28th December 1896 to have already been advanced to the District Engineer, it has not been received by that Officer, and I therefore beg to request that the whole Grant viz Rupees 8927, sanctioned by the Mysore Government on account of the New Road at the North West End of Ulsoor Tank, may be placed to the Credit of the District Engineer

I have the honor to be
Sir
Your Most Obedient Servant

A. R. Ruck Lt Colonel
Actg Asst Dr. Mr. General M D

hereforo that the whole grant Rs 8925
be made to be placed to his Credit

yd Ross Thompson Major R. E
Offg District Engineer

(True Copy)

A. P. Ruick Lt Colonel
Offg Asst Qr Mr General
M Dn

District

No. 436.

From
The District Engineer
Bangalore

To The Asst. Dr. Mr. General
M. Dn.

His No. 47 of 1st Inst

Has the honor to
state that Rupees 5000
alluded to in his letter
No 602 dated 20th
December 1876 have not
yet been placed at the
District Engineers disposal

23

1877

From

To The Asstt. Qr. Master Genl. Mysore Dn.

Dated 13th February 1877

Despatched

Received

ENCLOSURES NO.

General No. 291 / No. 5

Recd 20-2-76

6

His letter No 436 dt 8. Feby 1877 requesting that the whole grant of Rs 8927/- sanctioned for the new road at the North West End of the Ulsoor Tank, may be placed to the credit of the District Engr. Bangalore.

States that the whole amount will be paid to the Bangalore District Engr. from the Chief Commrs. Treasury on his application to the Dy Asstt Genl. ~~on Mysore~~

B.P.W.

P.T.O.

No. 291 Memo

Copy to Dafeul
for information & Entry
of Endorse No 264 of 7th Feby/77.

J. Hecq

Reference without Q
Sanction
3/3/77
Q
Q/4

Received No. 586 / 3-3-77 No. 812

From The Asst. Lt. Inspr. Genl. Mysore Division

To The Secretary to the Chief Commissioner Public Works Dept.

Dated Mysore the 27th February 1877

Despatched

Received

do

ENCLOSURES NO.

General No. 634

No.

Requests sanction to the additional sum of Rs 3710 required for completing the new road on the west of the Lalbagh Tank.

Sanctioned
Q
3/4/77

Sanction this on this afternoon
2/3/77

Vs

Asst Dr. Mr. General's Office
Bangalore 27th February 1877
No 634

From
The Adg Asst Dr. Mr. General
Mysore Division

To
The Secretary
to Chief Commissioner
of Mysore & Coorg
Bangalore

Sir,

With reference to the Proceedings of the Chief Commissioner of Mysore No. 82 of 28th December 1876, I have the honor to forward Copy of letter from the District Engineer Bangalore together with a revised Estimate for Rs 15180 for the construction of the new road on the West of the Ulsoor Tank, and to request you will be good enough, for reasons therein assigned, to obtain the sanction of the Chief Commissioner to the Additional Sum of Rs 37, required for completing the Work.

I have the honor to be
Sir
Your most obedient Servant
A. Recce Lt Colonel
Adg Asst Dr Mr General
Mysore

27

No. 467

District Engineers Office
Bangalore 21st February 1877

From The District Engineer
Bangalore

To
The Asst D. Mr General
Mysore Division

Sir,

I have the honor to enclose herewith a revised Estimate for the construction of the New road on the West of the Ulsoor Tank, with its branch to St Johns Road and raising Tank Bund at the North end of the Tank. These works were estimated for and undertaken as famine Relief Works and have been carried out by the District Engineer Bangalore with Funds provided by the Mysore Government.

The Original Estimate was framed on the supposition that the Work could be carried out at the rate of one rupee for 16 cubic yards of earth, excavated, carried and deposited. This rate however proved insufficient, when the earth had to be carried far and raised high, and had consequently to be increased.

The Amount of earth work actually carried out is also in excess of that originally estimated for as it was found necessary when constructing the road to fill in inequalities which existed but had not been sufficiently provided for. The Original Estimate having been hastily prepared in order to provide work for the famine stricken people who at that time flocked to it for employment.

The Average "lead" on the road west of the Tank has been 51 yards and the average lift 9 feet.

On the Branch to St Johns Road, the average lead has been 228 yards and lift 10¼ feet.

The Cost of Constructing the five Vent Masonry

is also greater than originally estimated, owing to the piers and abutments having been carried up to a greater height in order to dispense with face walls.

The Work has up to the 15th of this month given

26,911 days employment for men
25,456 do do for Women
863 do do for Children
905 do do Skilled - Workmen

The further amount requiring sanction to complete the work is Rs 3,710 which I trust the Major General Commanding will be good enough to obtain from the Mysore Government.

I have &c
sd Ross Thompson Major R E
Offg District Engineer

(True Copy)

M. Pruich Lt Colonel
Actg. Asst. Dr. Mr. General
M Qn

Recd with a-Sec

No. 908

1877.

From [illegible] Engineering Line Wagon [illegible]

To

Secretary to Chief Commissioner,
Military ~~General~~ Department

Dated

Despatched 7th March

Received 6 do

ENCLOSURES NO

General No. 708 } 1876—77
No.

Assistant Quartermaster [illegible] 63 of the 7th February 1877, to the address of the Secretary to Chief Commissioner [illegible] in reference to the application of [illegible] requesting [illegible] the [illegible] of the [illegible]

On returning the above, with its enclosures, has the honor to forward a memo by the undersigned on the application for [illegible]

Recd 20 of 1876
9

No. 1876 dated 21-2-77 from Cantt Magr. &c. to Cantt Engr. &c.
Inclosure with endorsement No. 22 of 2-3-77
Non-relevant statement

Funds for the new road Compens
Sank Lane being carried out under Military

W. Johnson Lieut. Col
Temporary Chief Engineer, Mission

Recd

Memo: on application for further funds for the new Road from Compensation Road to Bank Lane being carried out under Military Authorities. –

The amount sanctioned for this work as per Military Engineers estimate (the metalling being struck out) was Rs 8927 and before this was exceeded additional sanction should have been applied for.

The comparative statement now sent out shows the cost of the work as executed to be Rs 15180 or 6253 in excess of sanction.

This is however I believe a misstatement as the whole of this work has not been executed and the statement should have separated that actually executed from that still remaining to be done.

I have no check on the quantities actually carried out but am of opinion that more work has been done than necessary. The curved approach from Compensation Road has been carried further into the Bank than was necessary thereby not only considerably increasing the earth-work required but actually reducing the

capacity

capacity of the bank. The object was I believe to get what was considered a better line for the bund; elsewhere also more work was done than was necessary.

As regards the rates I believe that the bulk of the work has been done most economically, and there is no doubt that higher rates are necessary for the portion that still remains to be done. There are no plans or information given from which the necessity of this demand now made can be checked.

Rs 2543 for metalling is again included in the estimate. As this was struck out of the previous estimate it should have been put on hand, and probably has not. The metalling should not be put on until the bank has had time to consolidate, and may therefore again be struck out; this will reduce the excess to Rs 3710.

I do not suppose the Municipal Authorities will maintain this road after it is made, and the money not coming out of their own coffers, they have no motive in being economical

in

in carrying it out. Strength as regards rates there is I think nothing to complain of. —

R Johnson Lieut: Colonel
Temporary Chief Engineer of Bombay

Bd:

March 6. 1877.

1877

To The Asst Dy Insr Genl
Mysore Division

Dated 14th March 1877
Despatched
Received

ENCLOSURES NO.

General No. 1495 & 1496
No.

Sanctioning an additional sum of Rs 3710 for completing the new road on the west of the Nilson Tank.

Inward
2 — 5 '77
10

Hon'ble Sir

35

To

The Actg Quarter-Master
General
Mysore Division

No 495 D/14 Dated 7/77

Sir

In reply to your letter No. 634 dated 27th February/77 requesting sanction to the additional sum of Rs 3710 required for completing the new road on the west of the Alsur tank, I am desired by the Chief Commissioner to observe that in the District Engineer's comparative statement that, accompanied it, the cost of the work executed is shown as exceeding the original sanction of Rs 8,927 by the large sum of Rs 6253, and that before such excess of expenditure had been incurred explanation as to its necessity should have been furnished and application made on reasonable grounds for the increased amount

Hence

2 Under the head "Sundries", several items, the figures in the originally sanctioned estimate amounted in all to Rs 417, whereas the amount now included in the Statement is Rs 993, showing an excess of Rs 576, the Sundries throughout having been calculated at 10 per cent, as against the usual 5 per cent in the Mysore P W D

3 The Chief Engineer of Mysore is of opinion that in the Statement prepared by the District Engineer (1) the work actually executed should have been separated from that still remaining to be done, (2) that more work has been done than was absolutely necessary, the curved portion from Compensation Road being carried further into the tank than it need have been, thereby not only considerably increasing the quantity of earth-work

37

but actually reducing the capacity of the tank, (3) that elsewhere also more work has been similarly undertaken, (4) that the metalling portion which was struck out of the previous estimate, should not now be again included, and (5) that under any circumstances it should not be put on till heavy rain has consolidated the earth-work &c. Under these circumstances, I am to request you will be so good as to offer any explanation you may consider desirable on the above points, and to report whether the Military authorities will undertake to maintain the roads in question after its completion.

I have &c

Offg Secretary

5 In communicating this news to the Chief Commr, I am to intimate the sanction of the Govt of India to the expenditure of Rs 3710 required to complete the work, on the understanding that the metalling for which a sum of Rs 2543 was hundred in the original estimate but subsequently struck out, is not carried out. The sum of Rs 3710 will be paid to the Dist. Engr of Bangalore on his application to the Govt of India

No 496 of 1871

Offg Secretary

12 - 7 - 71

Cr - 12 - 5 - 71

In conclusion I am to enquire whether the Military authorities will be prepared to undertake for the future, the maintenance from their own resources of the Road in question, if the Chief Commissioner will grant the further funds required according to the estimate now submitted to lay down the metalling after the rains have consolidated the Road.

Circulate as amended and put to Text Book
Please on the Table
[illegible] 13/3

D/ 14th March 177

Nos 495 + 496

Sanctioning an additional sum of Rs 3710 for completing the new road on the west of the Nilgiri Lake.

To Chief Engr
Please to attention
last para on Report

[illegible]

See the file in
re Opinion regarding this
2/5/77 Ord 39
I
F14

Regd 889
187 / 204-77

From The Asst Inspr General
Inspection Division

To

Recd
2-18-76
11

Dated 26th March 1877
Despatched
Received 26 do
ENCLOSURES NO.

General No. 974
No.

Forwards copy of District Engineer's Ro 579 of 22nd March 1877 on the subject of the road in the west of the Albion Tanks.

Ord 37
Refer to Chief Engr WD for any remarks he may wish to make, with reference to his letter No 708 of 8 March 1877. By order

Henry Clark
Major

29 March 1877

District Engineer's Office
Bangalore 22nd March 1877

From
The District Engineer
Bangalore

To
The Asst or Mr General
Mysore Division

Sir,

With reference to letter No 495 dated 14th March to your address from the Secretary to the Chief Commissioner of Mysore, I have the honor to forward the following remarks -

1st. As regards the comparative statement, I beg to point out that in the form in use in this Department a column is entered "as actually executed". Should a work be complete before the comparative statement is sent in, this heading is literally correct; but if (as in this case) the work has not been completed, the heading is not strictly correct, but merely shows what amount will be necessary to finish the work: and it is not usual in that case to enter in the statement the exact sum spent up to date.

It is true that the original sanction was 8927 rupees obtained by deducting 2543 rupees (estimated cost of metal) from the total of Estimate 11,470 - but in order to make a correct

comparison between the estimates, the original sanction of 8927 should be compared with the present amount of estimate minus (again) the cost of metal, and if this is done, it will be found that the excess of revised estimate over original is rupees 3710 and not Rs 6283 as stated by the Secretary to the Chief Commissioner.

The cost of metalling 2543 was deducted. Diffce between the orig. of 8927 & 15780 remains per Dr Sup's Statement. — viz. 15780 − 8927 = 6253 Sec

I also wish to point out that the Secretary to Chief Commissioner is mistaken in supposing that the whole additional sum required to complete the earthworks (Rs 3710) had been expended when application was made for a further allotment; as a matter of fact, only 1662 rupees of that sum had then been spent.

In the Company's statement these figures were given, & quoted there. The statement was returned.

2. With reference to remarks regarding "Sundries", I beg to point out that usually 5 per cent is charged for sundries — but it was considered advisable to allow 10 per cent — large numbers of baskets &c had to be purchased and it was found necessary to obtain some intelligent men from the Sappers and elsewhere, to supervise efficiently the large quantity of labor employed; and all the head coolies and watchmen engaged were charged to this head — the cost of baskets, bamboos &c alone cost nearly

Sappers may be accepted. If reason for the unusual charge had been briefly explained it might then have been accepted.
28/3/77 JP

nearly 6,572 rupees –

I now come to para 3 in which various objections are raised by the Chief Engineer of Imphal.

To Chief Engr for his notice thereon 20.3.22 P.

1st "In the statement the work actually executed should have been separately rated from that still remaining to be done".

I have already pointed out that this is unusual – the amount spent up to date might have been mentioned in the letter forwarding the revised estimate, but thinking the matter of the employment of labor of more importance, Major Thompson merely stated the number of men, women and children who had obtained employment up to the 15th February on the works –

2nd "That more work has been done than was absolutely necessary the curved portion from Compensation Road having been carried further into the tank than it need have been.

On this I beg to remark that altho the superficial area of the tank has been somewhat contracted by carrying a portion of the curved road rather further towards the East than the margin of the reclaimed bed on West – the actual capacity of the tank has been increased by so much, as the amount of silt thrown up above

surface has been diminished.

I am moreover informed by Major Thompson that the Chief Engineer of Mysore himself originally proposed that the circular road should be carried across the bed of the tank, but afterwards agreed to the approximate present location as proposed by Major Thompson — Major Thompson states that he considers the road, as at present placed, in the best position for appearance, improvement of the capacity of the tank, and lessening of the evaporation surface; and I must add that I entirely agree with him.

3rd "That elsewhere also more work has been similarly underestimated." This is doubtless true, but Major Thompson has already explained that it was found necessary to fill up inequalities, which had not been sufficiently considered in the original estimate.

4th "That the metalling portion which was struck out of the previous estimate should not now be again included." No information was given to this Office that the metalling had been "struck out" of the estimate — Sums of 5000 and 3927 were allotted by the Mysore Government

for

for the work

the metalling will be of no use, except so far as providing labour for distressed coolies, and improving the track bed. If the road is to be used, the metalling or gravelling must eventually be done, and it was thought desirable that the total cost of the complete road should be before the Bhopal Government. It is evident that there was no intention to go on with the metalling at present, as the amount asked for was only Rupees 3710, the sum required to complete the earth and masonry works.

No metalling has been carried out or contemplated at present. There is no doubt that metalling should not be commenced till the embankment has become thoroughly consolidated by at least 2 monsoon rains.

The excess caused by the rate of excavation being higher than that supposed to be sufficient at the time the Original estimate was framed (The original Estimate it should be remembered was drawn up in a hurry so that work might be available for distressed labourers) was, owing to great breadth of lead and height of lift.

I may add, however, that up to the beginning of February, Major Thompson estimates that the earthwork of the new road cost less by about 900 Rupees than it would have been executed for, at rates sanctioned for "getting lead" and "lift" by Chief Engineer, Bhopal, on his own work.

As regards the future maintenance of the road I beg to state that as the road in question cannot in any way be

considered

seem that its upkeep should be entrusted to the Municipality of Bangalore, with the exception of Tank Lane (which connects the Sipper Barracks with the Saint Johns Cemetery) all the roads round the Ulsoor Tank are kept up by the Municipal Authorities.

The Offer orders on the 28/2

I have &c

Sd/ Henry M. Vibart Major R.E.
Divisional Engr Bangalore

No. 944
True Copy

To
The Secretary
to the Chief Commissioner
of Mysore
Bangalore

Forwarded with reference to your No. 495 of 14th Instant.

No. 2 M. of Works Office
in Mysore
Bangalore 26th March 1889

Dte Coll
Sd/ M. of Works

The original letter bearing No. 1470.
The B.E. is requested to return the 15/80
Detailing the Tank
Plan of Ulsoor Tank
Balance No. 12637
If this land, No. 8927 has been given to the B.E. and
No. 3710 applied for and
Letter No. 27 and B.E. pass
and Tank
by letter No. 4 dated 1/7.
by
1/7/13

1877/78

From The Empy. Chief Engineer of Mysore

To Secretary to Chief Commissioner, ~~General~~ Department.

Dated

Despatched } 11th April 1877

Received } 11th do 6 p.m.

ENCLOSURES NO One

General No. 1066 } 1877-78
No.

Railway papers regarding the road on the west of the Ulsoor Tank, with certain remarks —

Colsey
12/4/77

Col Peebles notes in Maj Vibart's letter and the Chief Engr's comments, may I command to an order.

The Engineer's orders are requested as to the course to be taken by Major Vibart & Colsey 13/4

I do not know that there is any necessity to continue the correspondence further. A copy of Colonel Johnson's letter may be sent under cover of letter in which my thanks may be tended to Major Vibart & Colsey.

Having carried out the work so ably & in this economical & it may be also stated that I shall be much objected to the former officer after the road was made have been in his opinion sufficiently consulted for his trouble & to superintend the maintenance of the road so that I shall then be prepared if funds should be available to make a special start &c —

16.4.77

16.4.77

Comm C.
2 mon 1.16
Pm

Mysore Public Works Departt.
Central Office
Bangalore 11th April 1877

No. 1066

From.

Lieutt. Coll. H. R. Johnson
Inspy. Chief Engineer of Mysore

To,

The Secy. to the Chief Commr. of
Mysore Cutcherry Dept.

Sir,

I have the honor to return herewith the papers regarding the road on the west of the Ulsoor Tank forwarded for any remarks I may wish to make with reference to my No. 408 of the 6th March 1877, and with reference to Major Ekbart's observations on the Memo. that accompanied my letter to state as follows.

2. A revised estimate should be submitted before the original sanction is exceeded, and all estimates should be accompanied by such information as may be required to make the necessity for further sanction, perfectly clear.

3. Considering that the Tank is already much too small to contain the supply from its catchment, it was objectionable

to reduce its area, and on sanction being obtained, the additional silt, excavated to throw up this bund, could have been otherwise utilized with advantage.—

4. Major Thompson is quite correct in stating that I at first suggested that the road should be taken still further into the bed of the Tank. I abandoned that idea, however, for the reasons above given, and distinctly gave as my opinion that the Bund should be placed on the top of the reclaimed portion. In my Memo. I did not refer to the alteration as a matter of any great importance but as unnecessary work conducing to the insane tinned excess. It is self-evident that filling up the bed of a Tank is not the best method of increasing its capacity.—

5. No other remarks of Major Richarts appear to call for notice from me

I have the honor to be,
Your Most Obedt. Servant,
[signature] Lieut. Coll.
Empy. Chief Engineer of Mysore.

Recd. 1/12

General No. 556
4 57

Sd Mn. C. C. Office
Bangalore 17th April 1877

To, The Asst. Q. M. General
Mysore Dn.

Sir, Referring to my No. 974 dated 26th March 1877, forwarding copy of a letter from the District Engr. Bangalore, No 579 of the 22nd ultimo, on the subject of the road on the west of the Alsur tank, I am directed ~~by the Chief Engr~~ to forward copy of a letter from the Chief Engr of Mysore No. 1066 of the 11th instant, ~~expressing~~ certain remarks on the professional points mentioned ~~therein~~ ~~Major Elliot's observations~~ and at the same time to thank Major Elliot and Thompson for the ~~[illegible]~~ able and economical manner in which the work has been carried out under them.

2. The Chief Engr, I am to add, will be much obliged if Major

and I add that the supplement is fully satisfied that the work has been carried out with all the care and economy practicable. He commends this plan to supplement the points already made

Virgin Island will be good enough, after the Roadway has been sufficiently Consolidated, to undertake the Metalling of the Road, for which purpose Mr Saunders will be prepared, if funds shd be available, to make a special grant.-

~~Grant~~
to such extent as may be necessary for metalling the new Road, after it has been thoroughly consolidated, should funds be then available.

Noted

16/4/07

W.L.

Offg Governor

Colonial Secretary

To

The Asstt Dr Master
Mysore Dn

Dated 17th April 77

Desp. 17

Encl. 1.

Genl. N. 656
G " 57

Forwards copy of letter from the Chief Engr of Mysore offering some remarks on professional points regarding the Road the West of the Cauvery Tank-